What is claimed is:

- 1. A Device adapted for the magnetic attraction of particles in a cell culture comprising a cell culture vessel and a magnet or a magnetizable element, wherein said magnet is positioned so as to allow a magnetic field emanating therefrom to pass through said culture vessel.
- 2. The device of claim 1, wherein said magnetic or magnetizable element is an electromagnet.
- 3. The device of claim 1, wherein said culture vessel is adapted for the culture of human cells.
 - 4. The device of claim 1, wherein said human cells are lymphocytes.
- 5. The device of claim 1, wherein said magnet or magnetizable element is incorporated within a wall of said culture vessel.
- 6. The device of claim 1, wherein said magnet or magnetizable element is within the body of the vessel.
 - 7. The device of claim 1, wherein said culture vessel is flask or a bag.
- 8. A method for inducing aggregation of cells or cell surface markers comprising providing a population of cells having a target cell surface molecule and a device of claim 1, wherein said cells are contained within said culture vessel; said culture vessel contains a

solid surface having attached thereto a ligand for at least one target cell surface molecule; and applying a magnetic field through said magnet or magnetizable element of said device.

- 9. The method of claim 8, wherein said aggregation induces target cell signal transduction.
- 10. The method of claim 8, wherein said solid surface is selected from the group consisting of a plate, a bag, a dish, a rod, a pellet, a fiber, a microsphere, and a bead.
- 11. The method of claim 10, wherein said solid surface is a bead or a microsphere.
 - 12. The method of claim 10, wherein said solid surface is paramagnetic.
- 13. The method of claim 8, wherein said cell population comprises lymphocytes.
- 14. The method of claim 8, wherein said ligand is selected from the group consisting of an antibody, a natural ligand, and a synthetic ligand.
- 15. The method of claim 8, wherein said ligand comprises an antibody, a peptide, a polypeptide, a growth factor, a cytokine, or a chemokine.
- 16. The method of claim 8, wherein said receptor binding leads to downregulation or suppression of a cellular event.
- 17. The method of claim 8, wherein said receptor binding leads to upregulation or activation of a cellular event.